



# National Weather Service Hydrologic Program in Alaska

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National Weather Service  
National Oceanic and Atmospheric Administration  
<http://aprfc.arh.noaa.gov>

# Outline

- ~~Overview of NWS hydrologic program~~
- ~~Types and locations of NWS river gages~~
- Web page navigation guide

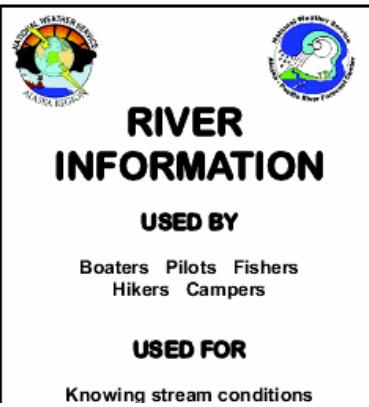
**Abbreviated version – you are in luck!**

# River Gauges

- River gauge network is sparse
- Stages (levels) based on arbitrary datum
- Flood stage defined at many sites
- Discharge (flow) is volume of moving water
- Rating curve is link between stage and flow
- Higher stage and flow results in higher velocity or speed of the water



# Whitewater Classification Table



A table is provided below which shows estimated low, medium, and high water levels for several streams for which we normally have current daily gauge readings. Information that you provide on the Trip FEEDBACK Form is needed to update and expand the table. The whitewater class represents the most difficult section of the reach that cannot be readily avoided. We have water level information for other streams as well. This information is provided for general guidance only - boaters should remain alert for changing conditions.

Gauge Reading* (Whitewater Class)				
Name of Stream	Gauge ID	LOW	MEDIUM	HIGH
Eagle River	ERBA2			
above Visitors Center		3.0(IV)	4.0(IV-)	4.4(IV+)
above Campground Rapids		2.7(II)	3.5(II)	4.3(II+)
below Campground Rapids		2.7(III)	3.5(III)	4.3(III+)
Gulkana River	GULA2			

Sixmile Creek	SIXA2	9.0(IV)	10.6(IV+)	11.3(V-)
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<b>Describe conditions found during your trip. Submit your trip report on-line at:  <a href="http://aprfo.arh.noaa.gov/informenu.php?RiverTripFeedbackForm">http://aprfo.arh.noaa.gov/informenu.php 'River Trip Feedback Form'</a></b>  <b>NATIONAL WEATHER SERVICE ALASKA-PACIFIC RIVER FORECAST CENTER 6990 Sand Lake Road Anchorage, Alaska 99502 Phone: 907-286-5160 <a href="http://aprfo.arh.noaa.gov">http://aprfo.arh.noaa.gov</a></b>  <b>HIGH WATER LEVEL (Fast and pushy)</b> <b>MEDIUM WATER LEVEL</b> <b>LOW WATER LEVEL (Slow and rocky)</b>	Kenai River	COOA2		
	above Jim's Landing		6.0(II)	9.0(II)
	below Jim's Landing		6.0(II)	9.0(II+)
	below Skilak Lake	SKLA2	8.4(I)	10.4(I)
	Little Susitna River			
	above Hatchet Bridge	LSOA2	6.3(V-)	7.0(V-)
	Matanuska River			
	Lion's Head	MAGA2	3.0(IV-)	4.0(IV)
	to King's River	MATA2	8.0(II+)	10.5(III)
	below King's River	MATA2	8.0(I)	10.5(II)
	Nenana River Canyon	HNRA2	8.5(IV-)	10.0(IV)
	Ship Creek	SHIA2	4.9(IV+)	5.3(V)
	Sixmile Creek	SIXA2	9.0(IV)	10.6(IV+)
	Talkeetna River Canyon	TKTA2	6.2(IV-)	8.2(IV)
	Tonsina River Canyon	TONA2	9.0(III)	10.0(III+)
	Willow Creek in Canyon	WLWA2	2.6(III)	3.4(IV)
	at Parks Hwy	PWILA2	7.5(IV)	8.3(IV)
				9.0(IV)



# Useful NWS Web Pages

Main APRFC web site...

<http://aprfc.arh.noaa.gov/>

Real-time gage network listing...

<http://aprfc.arh.noaa.gov/general/streamlisting.gif>

Various observational data in Google map format...

<http://aprfc.arh.noaa.gov/gages/gmapmenu.php>

Water temperature data map...

[http://aprfc.arh.noaa.gov/gages/ak\\_g\\_tw.php](http://aprfc.arh.noaa.gov/gages/ak_g_tw.php)

Warning and weather forecast map...

<http://www.arh.noaa.gov/>

Observed and forecast precipitation maps...

[http://aprfc.arh.noaa.gov/data/precip/has\\_p24qpe.php](http://aprfc.arh.noaa.gov/data/precip/has_p24qpe.php)

Search for comments on river conditions...

<http://aprfc.arh.noaa.gov/php/rivnotes/searchnotes.php>

New access to historical data at NWS river gage sites...

[http://aprfc.arh.noaa.gov/php/rivobs/get\\_chart.php](http://aprfc.arh.noaa.gov/php/rivobs/get_chart.php)

New USGS WaterAlert service...

<http://water.usgs.gov/wateralert/>

Upcoming iNWS mobile device services...

<http://inws.wrh.noaa.gov/>

# APRFC Main Page

National Weather Service  
Alaska Region

River conditions map always available at tab

The screenshot shows the top navigation bar of the APRFC website. The 'River Conditions' tab is highlighted with a large red arrow pointing to it. Other tabs visible include HOME, Site Map, National News, Organization, and several others like Local Forecasts by City, State, Zip, and NEW- Alaska.

Map June-October shows river conditions



Map November-April shows snow depths



Map in May shows breakup conditions



EXPAND VIEW

Climate & History  
Drought Info

FLOOD Products

email Breakup observation

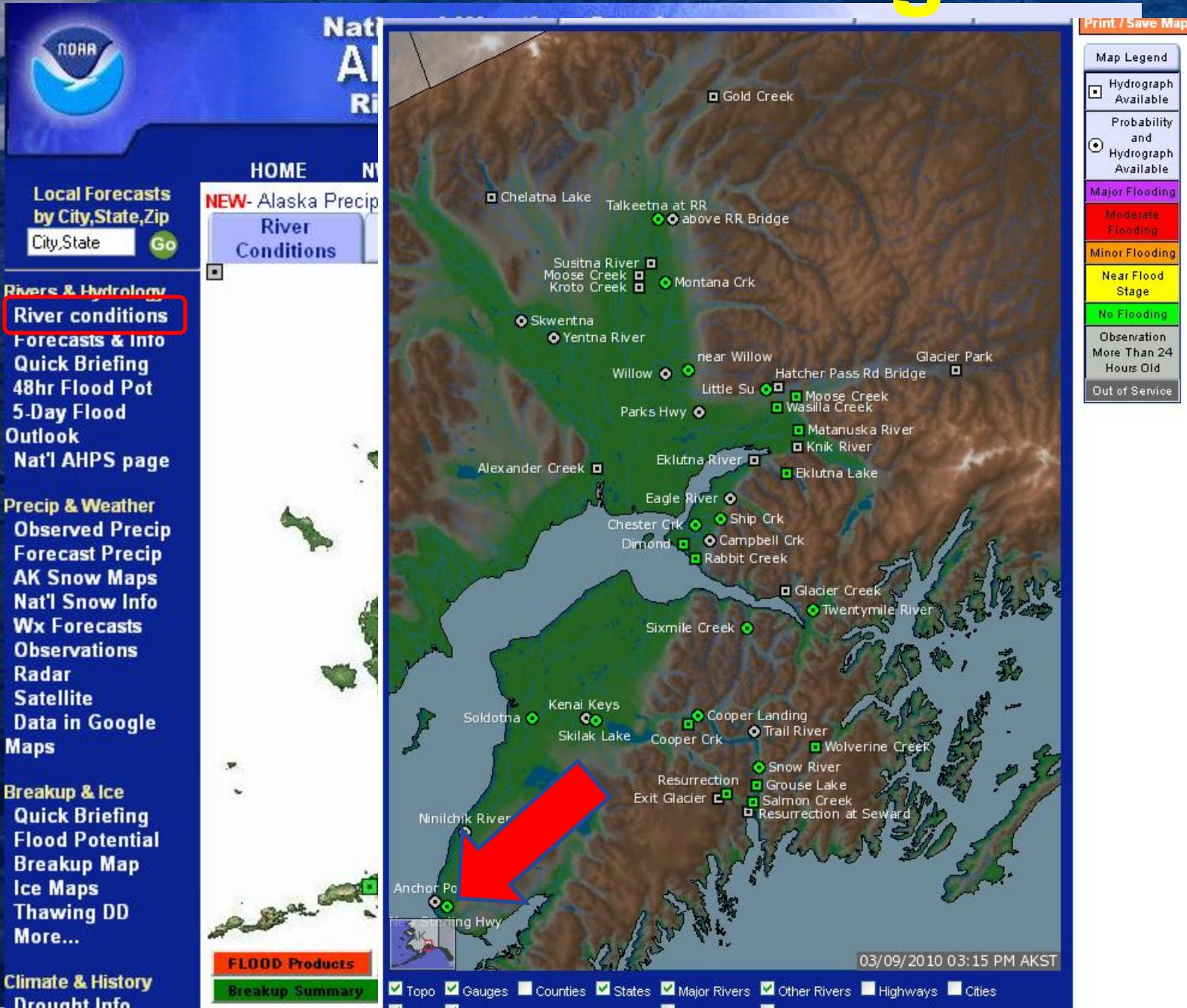
Search Observations

Pilot Reports Support Page

Breakup Summary

Image Gallery

# APRFC Main Page

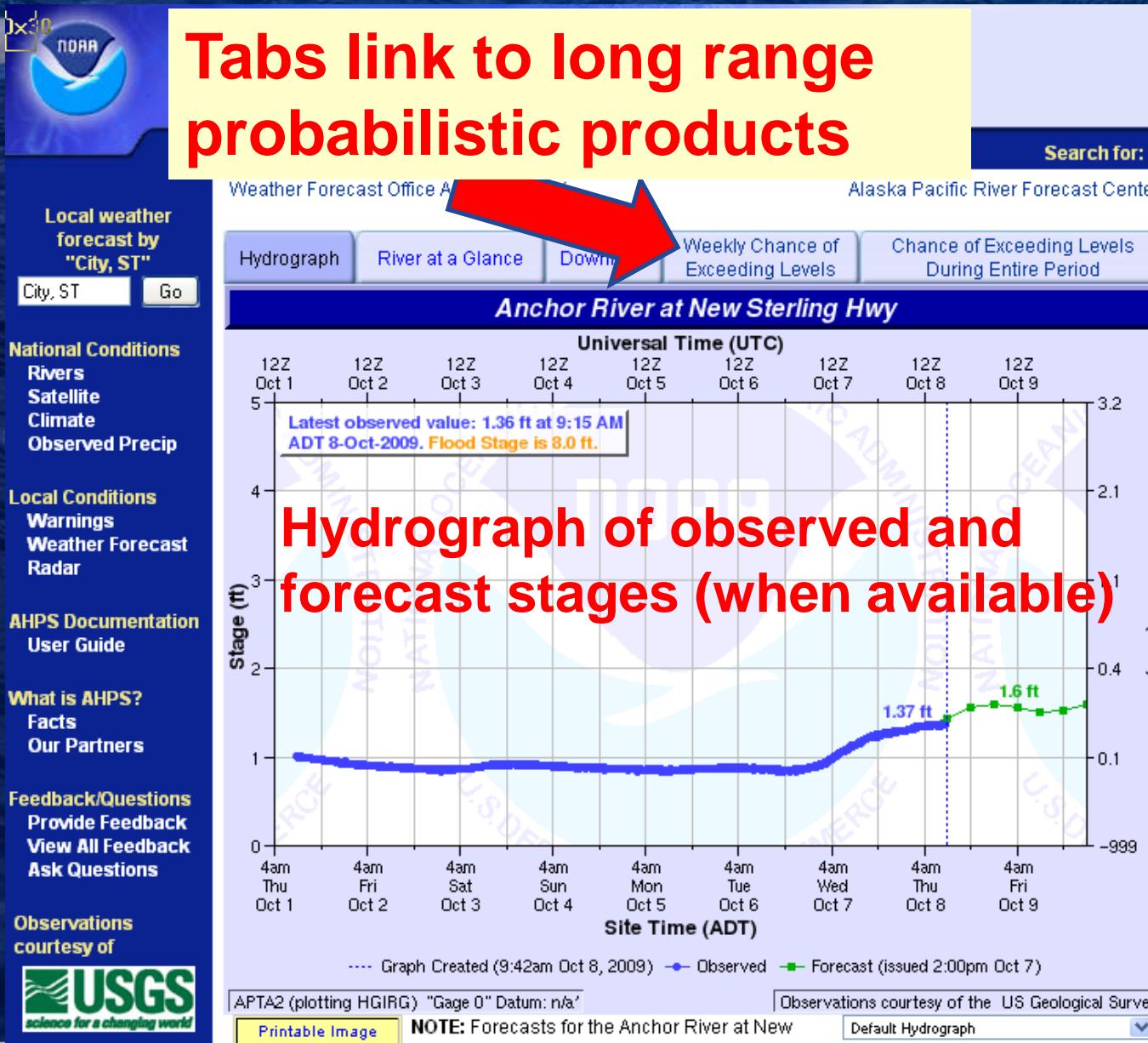


# Web Hydrograph



Tabs link to long range  
probabilistic products

Search for:



# Google Map Data Display

Rivers & Hydrology  
River conditions  
Forecasts & Info  
Quick Briefing  
48hr Flood Pot  
5-Day Flood  
Outlook  
Nat'l AHPS page

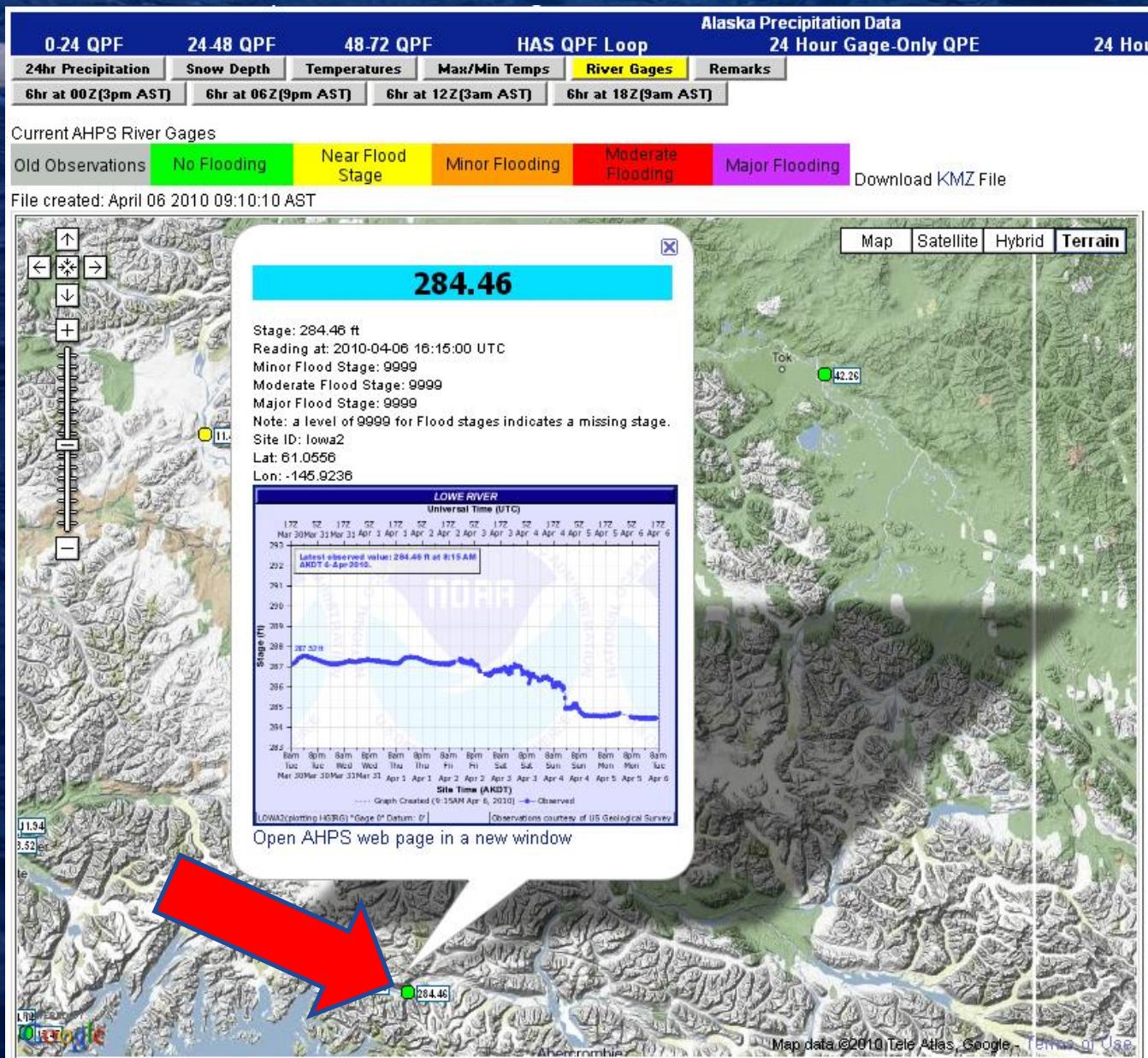
Precip & Weather  
Observed Precip  
Precip Analysis  
Forecast Precip  
AK Snow Maps  
Nat'l Snow Info  
Wx Forecasts  
Observations  
Radar  
Satellite  
**Data in Google Maps**

Breakup & Ice  
Quick Briefing  
Flood Potential  
Breakup Map  
Ice Maps  
Freezing DD  
More...

Climate & History  
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Drought Info  
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# Water Temperature Data

Rivers & Hydrology  
River conditions  
Forecasts & Info  
Quick Briefing  
48hr Flood Pot  
5-Day Flood  
Outlook  
Nat'l AHPS page

Precip & Weather  
Observed Precip  
Precip Analysis  
Forecast Precip  
AK Snow Maps  
Nat'l Snow Info  
Wx Forecasts  
Observations  
Radar  
Satellite

Data in Google  
Maps

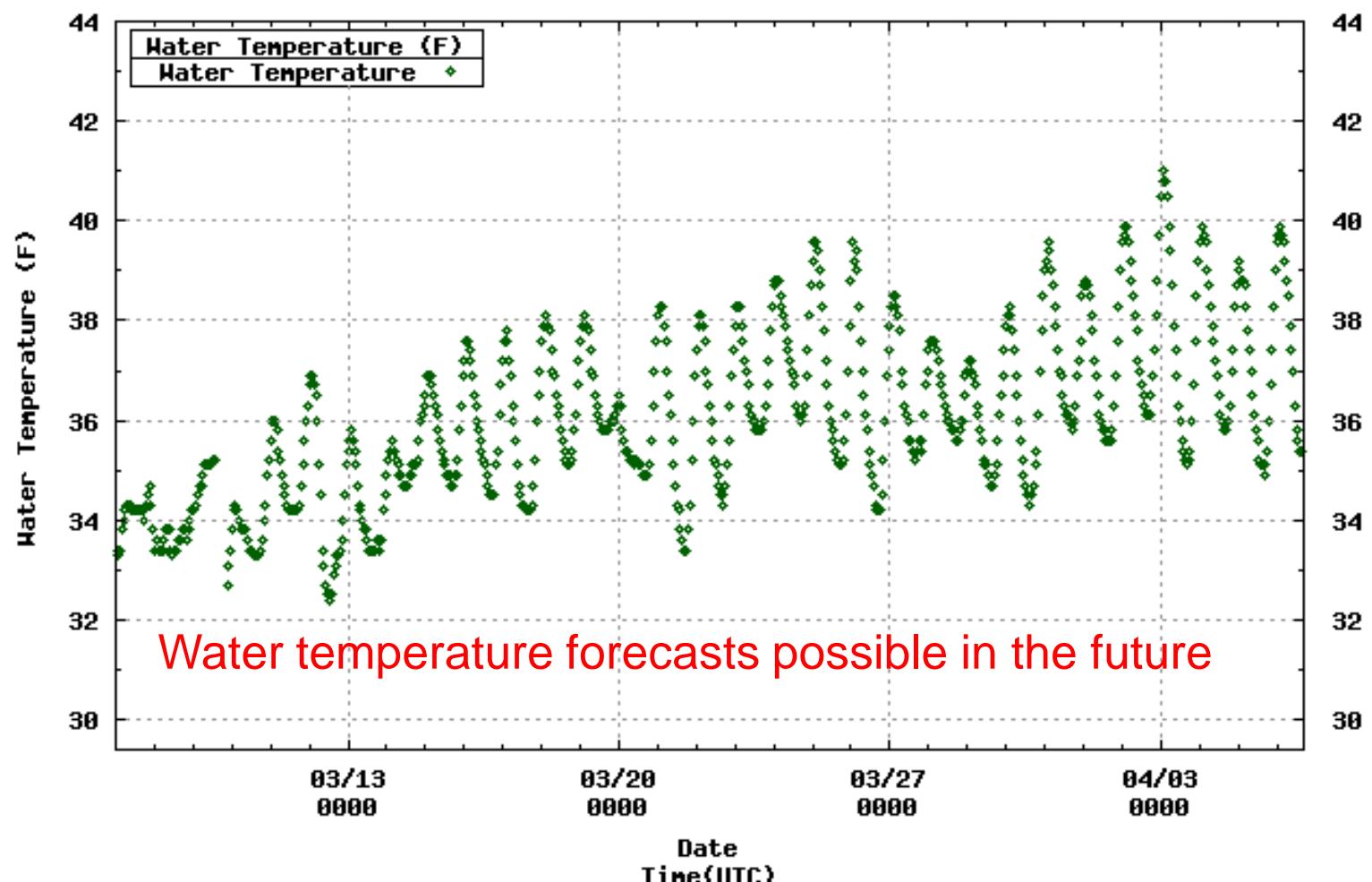
Breakup & Ice  
Quick Briefing  
Flood Potential  
Breakup Map  
Ice Maps  
Freezing DD  
More...

Climate & History  
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Drought Info  
Predictions  
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Additional Info  
Related Links  
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Newsletter  
Jokulhlaups  
More...

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Station Name  
Situk River nr Yakutat  
Elevation: 79 feet lat:59.59 lon:139.49  
Plot created: Tue Apr 6 16:36:01 UTC 2010



# Real Time River Gage Network

## NATIONAL WEATHER SERVICE 2010 LISTING OF STREAM GAUGES

### AREA

River Name - NWS GAUGE ID - location of gauge (interval \*)

#### SOUTHEAST ALASKA

- + Aisek River - ALKA2 - at Walker Glacier (1 hr)
- Chilkat River - CKTA2 - near Kukwan (1 hr)
- + Fish Creek - FCKA2 - near Ketchikan (1 hr)
- + Government Creek - GOVA2 - near Ketchikan (1 hr)
- Kakuan Creek - KKHA2 - near Halines (1 hr)
- Lemon Creek - LMC42 - near Juneau (1 hr)
- Mendenhall River - MND42 - at Mendenhall Lake (1 hr)
- Montana Creek - MCA42 - at Mendenhall Loop Bridge (1 hr)
- Old Tom Creek - OTCA2 - near Kasaan (1 hr)
- Salmon Creek - SCJA2 - near Juneau (1 hr)
- Silver Bay Tributary - SBT42 - near Sitka (1 hr)
- Stitus River - SRYA2 - near Yakutat (1 hr)
- Skagway River - SKGA2 - at Skagway River Bridge (24 hrs)
- Soule River - SOLA2 - near Hyder (1 hr)
- Staney Creek - SCKA2 - near Klawock (1 hr)
- Stikine River - STKA2 - near mouth (1 hr)
- Talia River - TYAA2 - near Skagway (1 hr)
- Taku River - TKU42 - near Canada Border (1 hr)
- Takatz Creek - TKZA2 - at Takatz Lake Outlet (1 hr)
- + Upper Earl West Creek - UPEA2 - near Wrangell (1 hr)

#### KODIAK & SOUTHWEST ALASKA

- + Bear Creek - BRKA2 - near Ilamna (1 hr)
- + Buskin River - BUSA2 - near Kodiak (1 hr)
- Chulitna River - CPA42 - near Port Alsworth (1 hr)
- Ilamna River - ILRA2 - near Pedro Bay (1 hr)
- Kasakan Creek - KSKA2 - near Iglooig (1 hr)
- Koktuli River - KTI42 - near Ilamna (1 hr)
- Mulchata River - MLC42 - near New Stuyahok (1 hr)
- Naknek River - NAKA2 - near Lake Camp (24 hrs)
- North Fork Koktuli River - KTKA2 - near Ilamna (1 hr)
- Nuyukuk River - NRDA2 - near Dillingham (1 hr)
- Roadhouse Creek - RDHA2 - near Ilamna (1 hr)
- Russell Creek - RCBA2 - near Cold Bay (1 hr)
- Stuyahok River - STYA2 - near New Stuyahok (1 hr)
- Terror River - KDKA2 - at mouth (1 hr)
- + Upper Talarik Creek - TLRA2 - near Ilamna (1 hr)

#### KUSKOKWIM RIVER BASIN

- + Crooked Creek - CKDA2 - at Crooked Creek (1 hr)
- Kuskokwim River - MCGA2 - at Landing at McGrath (24 hrs)
  - + CJA2 - at Crooked Creek (1 hr)
- + Tatina River - TATA2 - near Takotna (1 hr)

#### KENAI PENINSULA

- + Anchor River - APTA2 - at New Sterling Hwy Crossing (1 hr)
  - APBA2 - at Old Sterling Hwy Crossing (24 hrs)
- + Bradley River - BRU42 - Near Nuka Glacier (1 hr)
  - BRMA2 - Middle Fork (1 hr)
  - BRR42 - Below Dam (1 hr)
    - BRTA2 - Near Tidewater (1 hr)
- + Cooper Creek - COCA2 - at mouth (1 hr)
  - Exit Glacier Stream - EXTA2 - near Visitors Center (24 hrs)
  - Grouse Creek - GROA2 - at Grouse Lake (1 hr)
  - + Kenai River - COOA2 - at Cooper Landing Bridge (1 hr)
    - + SKLA2 - below Skilak Lake (1 hr)
      - KEYA2 - at Kenai Keys (24 hrs)
      - + SXRA2 - at Soldona Bridge (1 hr)
  - Ninilchik River - NIWA2 - at Ninilchik Road Bridge (24 hrs)
  - Resurrection River - RESA2 - at Exit Glacier Rd Bridge (1 hr)
    - SRRA2 - at Seward Hwy Bridge (24 hrs)
  - Salmon Creek - SMNA2 - near Seward (1 hr)
  - + Sixmile Creek - SXA2 - near MP 2.7 of Hope Hwy (1 hr)
  - + Snow River - SNOA2 - near Railroad Bridge (1 hr)
  - Trail River - MPTA2 - at Old Seward Hwy Bridge (24 hrs \*\*)
  - + Upper Nuka River - UNRA2 - near Park Boundary (1 hr)
  - + Wolverine Creek - WLCA2 - near Lawling (1 hr)

#### ANCHORAGE AREA

- + Campbell Creek - CCSA2 - near Dimond (1 hr)
- + Chester Creek - CHRA2 - at Arctic Blvd (1 hr)
  - Eagle River - ERBA2 - at Glenn Hwy Bridge (1 hr \*\*)
- + Ekluna Lake - EKLA2 - near Palmer (1 hr)
  - Glacier Creek - GCGA2 - at Girdwood (24 hrs)
  - + Knik River - KNKA2 - near Palmer (1 hr)
  - + Rabbit Creek - RBEA2 - at Old Seward Highway (1 hr)
  - + Ship Creek - SHIA2 - near Dam at Mouth of Valley (1 hr)
    - S.F. Campbell Creek - CSR42 - at Canyon Mouth (1 hr \*\*)
  - + Twentymile River - TRPA2 - below Glacier nr Portage (1 hr)
  - + Whittier Creek - WHRA2 - at Whittier (1 hr)

#### MATANUSKA-SUSITNA VALLEY

- Chelatna Lake - CLKA2 - at Lake Outlet (24 hrs \*\*)
- Kroto Creek - KOWA2 - at Oliven Road (24 hrs)
- Little Susitna River - LSOA2 - at Hatcher Pass Rd Bridge (24 hrs)
  - + LSUA2 - below Hatcher Pass Road Bridge (1 hr)
  - LSHA2 - at Parks Hwy Bridge (24 hrs)
- Madaren River - MACA2 - at Denali Hwy (1 hr)
- Matanuska River - MAGA2 - at Glacier Park Resort (1 hr)
  - + MATA2 - at Old Glenn Hwy Bridge (1 hr)
- + Montana Creek - MONA2 - at Parks Hwy Bridge (1 hr & 24 hrs)
- + Moose Creek - MOOA2 - near Palmer (1 hr)
- Moose Creek - MOWA2 - at Oltwell Road (24 hrs)
- Skwentna River - SKWA2 - at Skwentna (24 hrs)
- Susitna River - SUA2 - at Denali Hwy (1 hr)
  - + CCSA2 - at Gold Creek (1 hr)
  - SUUA2 - at Parks Hwy Bridge (24 hrs)
- + Talkeetna River - TRTA2 - near Talkeetna (1 hr)
  - TKTA2 - at Railroad Bridge (24 hrs)
- + Wasilla Creek - WSAA2 - near Palmer (1 hr)
- + Willow Creek - WLWA2 - in Canyon (1 hr)
  - WL42 - at Parks Hwy Bridge (24 hrs)
- Yentna River - YLKA2 - at Lake Creek (24 hrs)

#### COPPER RIVER BASIN & PRINCE WILLIAM SOUND

- + Bonanza Creek - BNZA2 - near McCarthy (1 hr)
- Chituchina River - CTOA2 - near Chituchina (24 hrs)
- Copper River - CCTA2 - near Chitina (24 hrs)
  - + MDBA2 - at Million Dollar Bridge (1 hr)
  - COBA2 - at O'Brien Creek (24 hrs)
- Eyak Lake - EYLA2 - at Cordova (24 hrs)
- Eyak River - EYAA2 - at Cordova (24 hrs)
- Gakona River - GAKA2 - at Tok Cutoff Bridge (24 hrs)
- # Gulkana River - GPOA2 - at Paxson Lake Outlet (1 hr)
  - + GRSA2 - at Gulkana at Sourdough (1 hr & 24 hrs)
  - GUL42 - at Richardson Hwy Bridge (24 hrs)
- Kennicott River - MXYA2 - at McCarthy (24 hrs)
- Klutina River - KLU42 - near Copper Center (24 hrs)
- Little Nelchina - NELA2 - near Nelchina (24 hrs)
- + Lowe River - LOWA2 - near Valdez (1 hr)
- + Solomon Creek - SGLA2 - near Valdez (1 hr)
- Tazlina River - TAZA2 - at Richardson Hwy Bridge (1 hr)
- Tonsina River - TONA2 - at Richardson Hwy Bridge (24 hrs)

#### CHENA RIVER BASIN

- + Chena River - UCHA2 - at Chena Hot Springs Rd Br (40 mi) (1 hr)
  - + CRHA2 - below Hunts Creek (1 hr)
  - + MCD42 - at Chena Lakes Project (1 hr)
  - + CHFA2 - near Steese Hwy Bridge at Fairbanks (1 hr)
- + Little Chena River - CHLA2 - at Chena Hot Springs Rd (12 mi) (1 hr)

#### TANANA RIVER BASIN

- Chathanika River - CRS42 - at Steese Hwy Bridge (40 mi) (24 hrs)
  - CHAA2 - at Elliott Hwy Bridge (24 hrs)
- Chisana River - CRNA2 - at Northway Road Bridge (24 hrs)
- + Emma Creek - EMMA2 - near Healy (1 hr)
- + Goodpaster River - GBDA2 - near Big Delta (1 hr)
- + Lignite Creek - LIGA2 - at Bridge near Healy (1 hr)
- + Marguerite Creek - MRG42 - near Healy (1 hr)
- Nabeana River - NEBA2 - at Northway (24 hrs)
- Nonana River - HNRA2 - at Healy (24 hrs)

- # Nome Creek - NOCA2 - above Beaver Creek (1 hr)
- + Phelan Creek - PHLA2 - near Gulkana Glacier (1 hr)
- + Salcha River - SALA2 - at Richardson Hwy Bridge (1 hr)
  - Tanana River - TLA2 - at Tetlin Bridge (1 hr)
    - TSGA2 - at Tanacross (24 hrs)
    - BGDA2 - at Big Delta (24 hrs)
    - + TAFA2 - at Fairbanks (1 hr)
  - + ENWA2 - at Doek at Nenana (1 hr \*\*)
  - MHSA2 - in Manley Slough at Elliot Hwy Bridge (24 hrs \*\*)

#### YUKON RIVER BASIN

- + Beaver Creek - BEAA2 - above Victoria Creek (1 hr)
- + Beaver Creek - BVMA2 - near Midich Lake (1 hr)
- + Birch Creek - BC TA2 - above Twelvemile Creek (1 hr)
  - Black River - BRCA2 - at Chalkytitsa (24 hrs)
  - # Clear Creek - CLEA2 - near Hog River (1 hr)
  - Crooked Creek - CTEA2 - at Central (24 hrs)
- + Hess Creek - HCRA2 - near Livengood (1 hr)
- Fortymile River - FMMW42 - at West Fork (24 hrs)
  - FMSA2 - at South Fork (24 hrs)
  - FMM42 - at Mosquito Fork (24 hrs)
  - FMKA2 - at Walker Fork (24 hrs)
  - + FMR42 - at Taylor Highway (1 hr & 24 hrs)
- O'Brien Creek - OBRA2 - at Taylor Highway (24 hrs)
- Koyukuk River - MFKA2 - near Wiseman (24 hrs)
  - BTTA2 - at Bettles (24 hrs)
  - ALLA2 - at Allakaket (24 hrs)
  - HUSA2 - at Huslia (24 hrs)
- # S.F. Koyukuk - SFKA2 - at Dalton Hwy (1 hr)
  - Porcupine River - PRBQ9 - at Canada Border (1 hr)
  - Porcupine River - PRCA2 - near mouth of Coleen River (24 hrs)
  - Old Crow River - OCRQ9 - near mouth of Porcupine River (1 hr)
- + Slate Creek - SLAA2 - at Coldfoot (1 hr)
- # Tozina River - TZIA2 - near Tanana (1 hr)
- Wiseman Creek - WMCA2 - at Wiseman (24 hrs)
- + Yukon River - YEAA2 - at Eagle (1 hr & 24 hrs)
  - CIR42 - at Circle City (24 hrs)
  - YF42 - at Fort Yukon (24 hrs)
  - BVR42 - at Beaver (24 hrs)
  - + YRB42 - at Yukon River Bridge (1 hr)
    - TALA2 - at Tanana (24 hrs)
    - RYBA2 - at Ruby (24 hrs)
    - GYRA2 - at Galena (24 hrs \*\*)
    - YHC42 - at Holy Cross (24 hrs)
    - NUL42 - at Nulato (24 hrs)
    - + YPSA2 - at Pilot Station (1 hr)

#### NORTH AND NORTHWEST ALASKA

- + Atigun River - ATRA2 - near Pump Station 4 (1 hr)
- + Canning River - CANA2 - near Kaktovik (1 hr)
- + Colville River - CRUA2 - at Umatl (1 hr)
  - CCVA2 - at Colville Village (24 hrs)
- + Dahl Creek - DCKA2 - near Kobuk (1 hr)
- # Fish Creek - MU42 - at Nulugut (1 hr)
- + Ikalukrok Creek - IKA42 - near Red Dog Mine (1 hr)
- # Ikkilikpuk River - IKPA2 - near Alaklak (1 hr)
- # Judy Creek - JDYA2 - near Nulugut (1 hr)
  - Kobuk River - ABLA2 - at Ambler (24 hrs)
    - + KRA2 - near Kiana (1 hr)
  - + Kuparuk River - KUPA2 - near Deadhorse (1 hr)
- # Meade River - MDEA2 - at Atkaasuk (1 hr)
- # Otuk Creek - OTKA2 - near Ivotuk (1 hr)
- + Sagavanirktok River - SGRA2 - near Pump Sta. 3 (1 hr)
- + Tamayalaruk River - TAMA2 - near Kakivik (1 hr)
- # Ubliktooch River - UBLA2 - near Nulugut (1 hr)
- + Wullik River - WUL42 - below Tutak Creek (1 hr)

Key to Gauge Listing on next page

- USGS Gauge # BMG Gauge

\* Average Interval in hours between water level readings

\*\* Gauge is visible to the user

† recorded every hour, reported every 4 hrs or less

‡ typically read and reported in the morning

Gauge reading is the level of the water surface measured in feet above an arbitrary datum

# Warning and Forecast Map

>Current Hazards< | Satellite | Radar | Surface Analysis | Text Only | Printer Friendly |

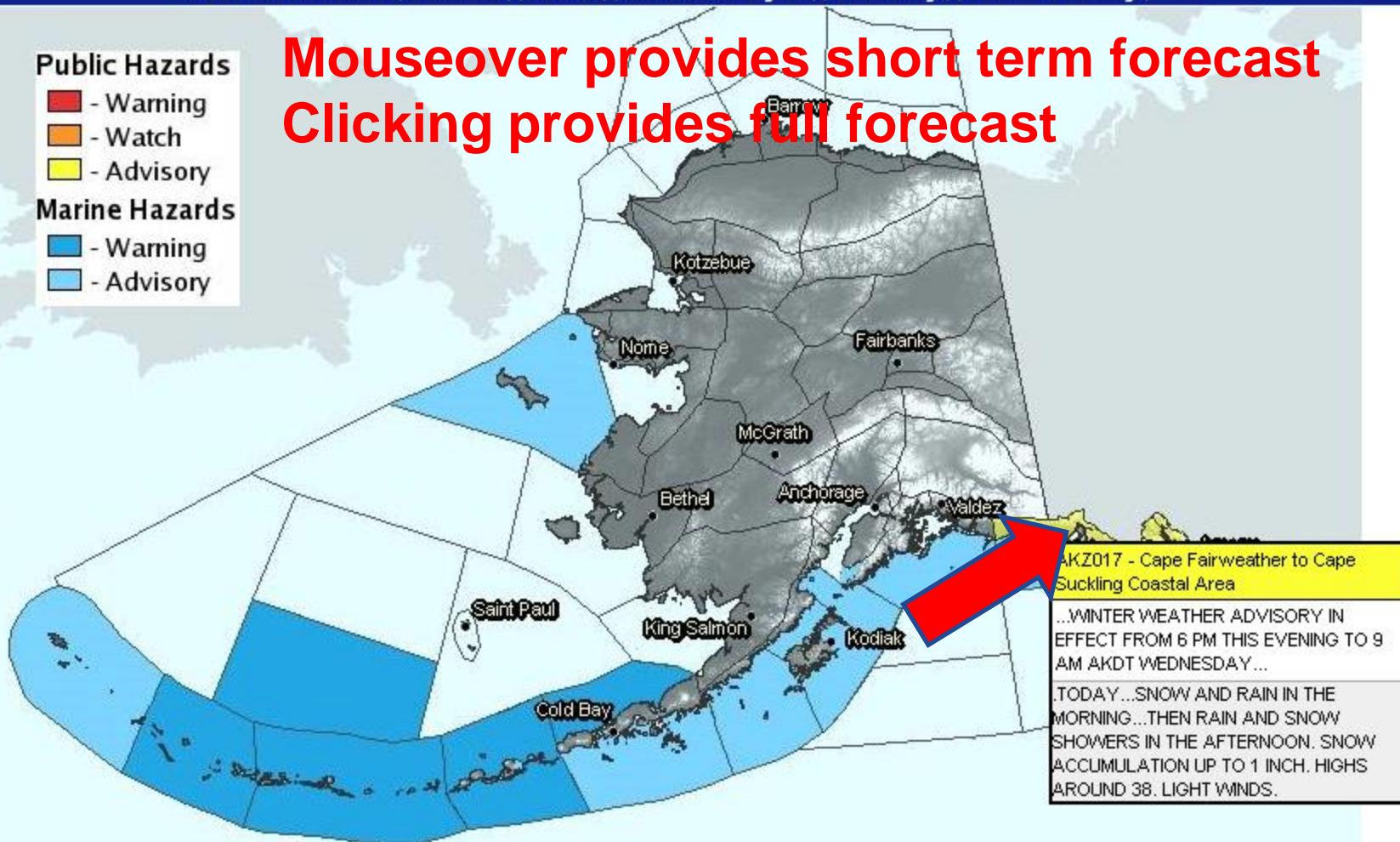
## Public Hazards

- Warning
- Watch
- Advisory

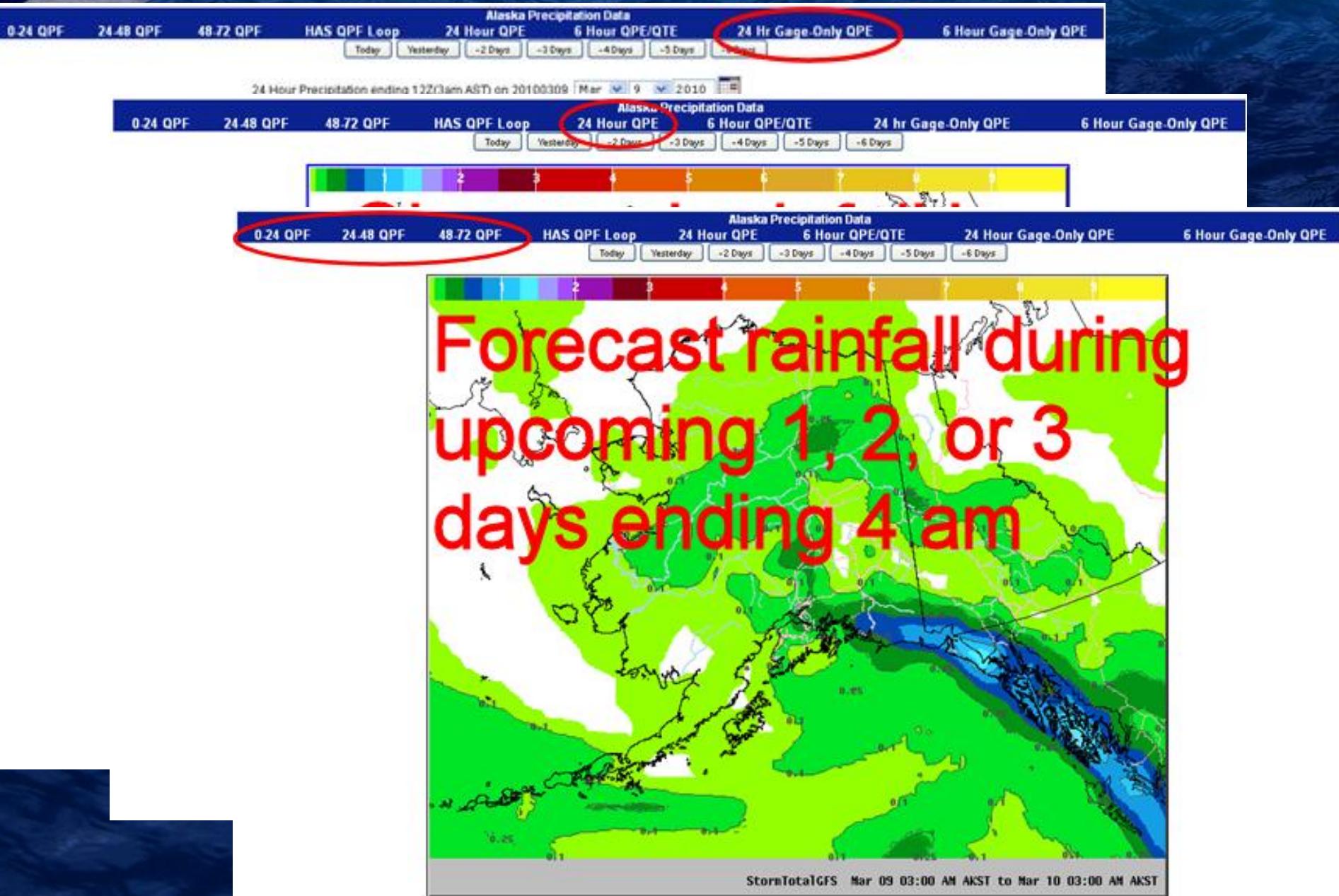
## Marine Hazards

- Warning
- Advisory

Mouseover provides short term forecast  
Clicking provides full forecast



# Observed and Forecast Precipitation



# Follow progress of breakup on Alaska Weather on PBS or on web

Rivers & Hydrology  
River conditions  
Forecasts & Info  
Quick Briefing  
48hr Flood Pot  
5-Day Flood  
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Nat'l AHPS page

Precip & Weather  
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**Breakup Map**  
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May 19th  
1 pm

**Breakup map shows status  
of river ice breakup process**

Village Legend	
●	No Warnings
●	Flood Watch
●	Flood Warning

River Legend	
Unknown	
Mostly Ice	
Some Open	
Mostly Open	
Open	
Flood Watch	
Flood Warning	

**Click to search  
river observations**

<http://aprfc.arh.noaa.gov>

**FLOOD Products**

**email Breakup observation**

**Search Observations**

**Pilot Reports Support Page**

**Breakup Summary**

**Image Gallery**

# River Notes Database

APRFC Observer Remarks

Local by City  
City, State

3-7days ago Yesterday Today

Download KMZ File

File created: April 07 2010 09:26:47 AST

Rivers & H  
River co  
Forecas  
Quick B  
48hr Flo  
5-Day Fl  
Outlook  
Nat'l AH  
Precip &  
Observer  
Forecas  
AK Snow  
Nat'l Sn  
Wx Fore  
Observa  
Radar  
Satellite  
Data in  
Maps

Breakup &  
Quick B  
Flood P  
Breakup  
Ice Map  
Freezing  
More...

Climate &

Chukchi Sea

Beaufort Sea

Colville

Nulato

Billie Central Hwy

Oilwell Road

Houston

Northw Territor

Alaska

Yukon

Gulf of Alaska

British Columbia

Bering Sea

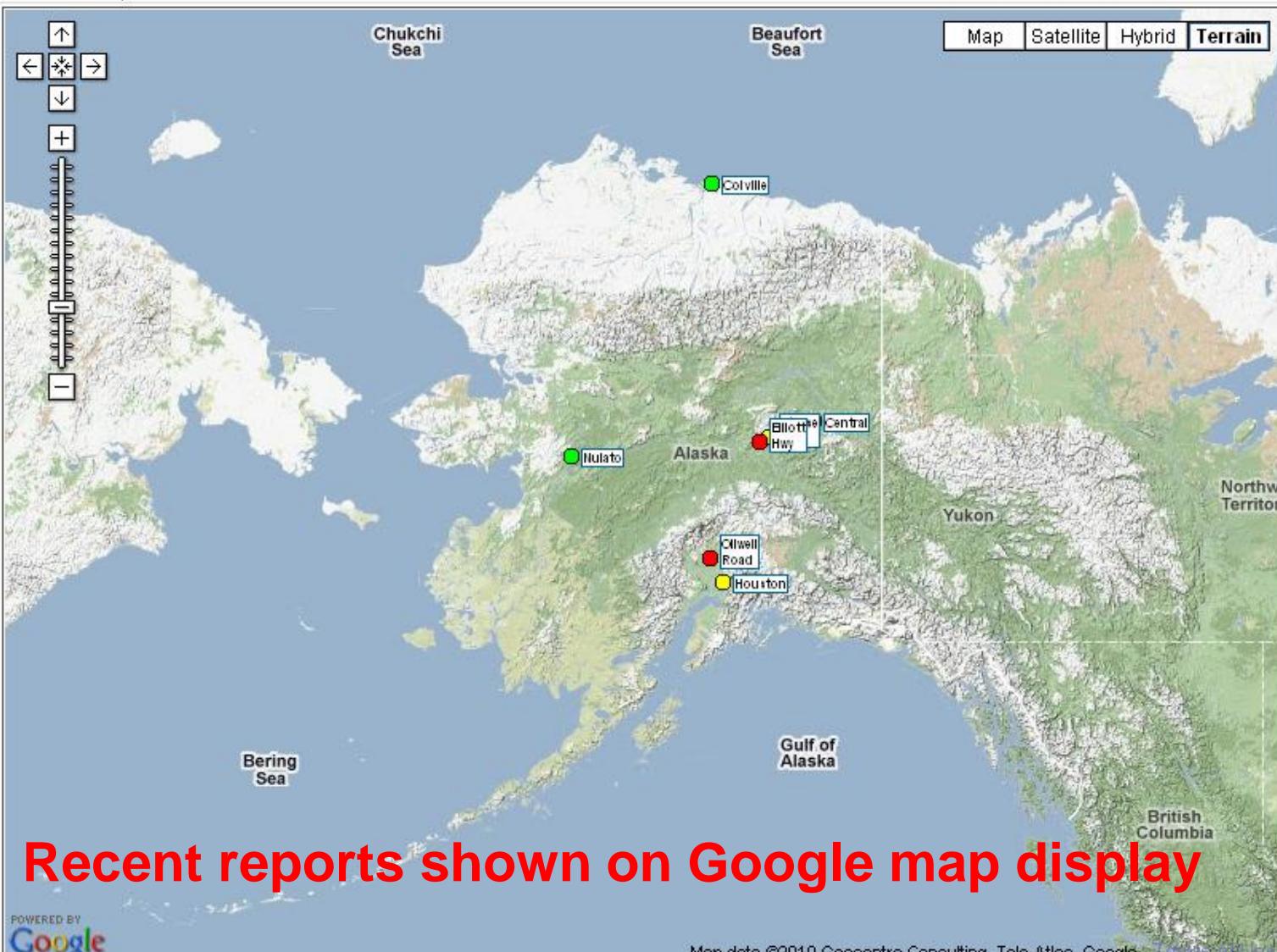
Map Satellite Hybrid Terrain

Up Down Left Right

Recent reports shown on Google map display

POWERED BY Google

Map data ©2010 Geocentre Consulting, Tele Atlas, Google - Terms of Use



# Historic NWS Data



Rivers & Hydrology  
River conditions  
Forecasts & Info  
Quick Briefing  
48hr Flood Pot  
5-Day Flood  
Outlook  
Nat'l AHPS page

Precip & Weather  
Observed Precip  
Precip Analysis  
Forecast Precip  
AK Snow Maps  
Nat'l Snow Info  
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## APRFC River Observation Database

Select by site ID:

EAGLE RIVER AT GLENN HWY BRIDGE - (ERBA2)

Site=ERBA2  
Minor Flood= 10  
Moderate Flood= 11  
Major Flood= 12

Select Start Year:

Select Year

Select End Year:

Select Year

Min Stage Date= 1986-08-16 17:00:00  
Max Stage Date= 2009-11-05 22:00:00

Enter Start Month:

January

Enter End Month:

December

Number of STAGE obs available=41869  
Number of FLOW obs available=39628  
Number of PRECIP obs available=0  
Number of TEMP obs available=0

[Plot Stage Chart](#)

[Plot Flow Chart](#)

[Plot Precip Chart](#)

[Plot Temp Chart](#)

[Get HTML Table](#)

[Create Excel\(CSV\) file](#)

### Provisional Data

The archived data provided here (including stage, flow, precipitation and temperature) have not been fully quality controlled and are consider preliminary data. Data may include changes to datum, errors due to gage malfunctions or physical changes at the observing location. This is a preliminary set of stations, more data will be entered at later dates. Missing data is listed as -9999.

Contact us if the site you need is not available in the site list. [Request Site](#)

# Historic NWS Data Plot

Rivers & Hydrology  
River conditions  
Forecasts & Info  
Quick Briefing  
48hr Flood Pot  
5-Day Flood  
Outlook  
National

Precip  
Obs  
Pre  
For  
AK  
Nat  
Wx  
Obs  
Rad  
Sat  
Data  
Maps

Break  
Qui  
Flood  
Break  
Ice  
Free  
Mor

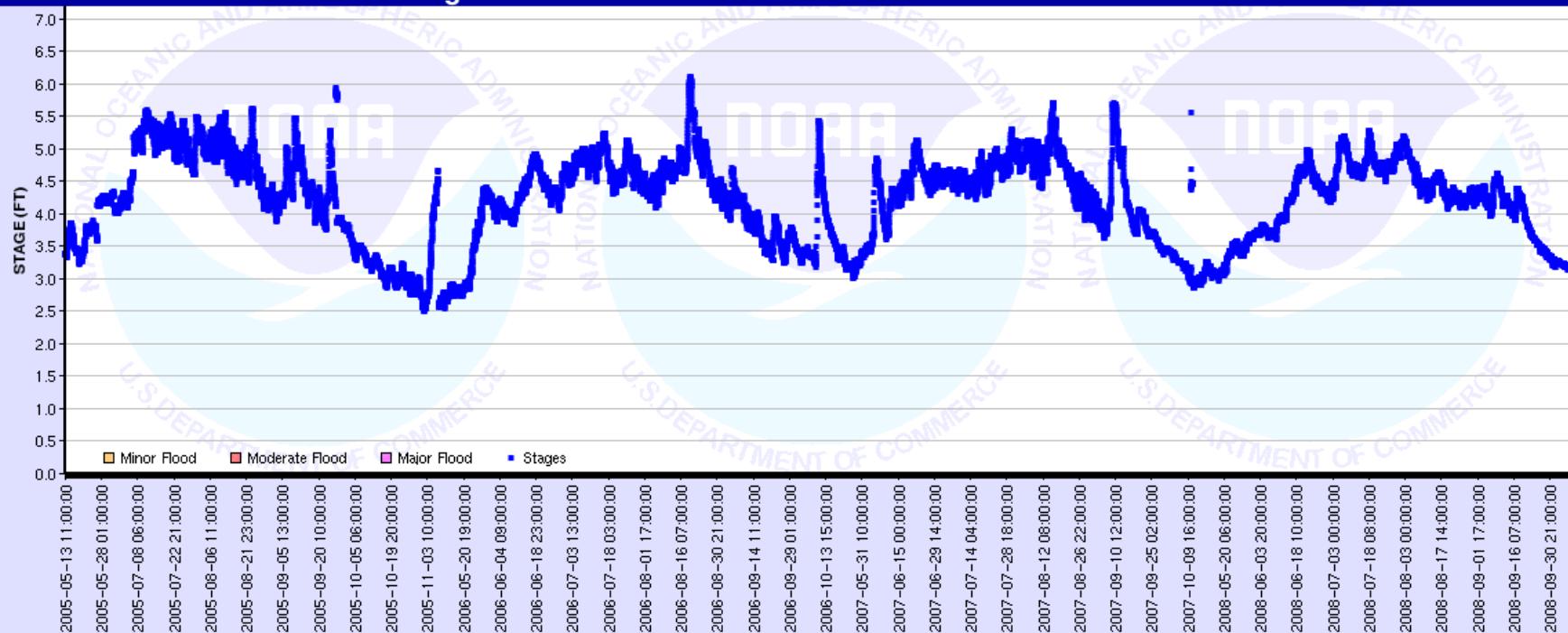
Clima  
River  
Dro  
Pre  
Diag

Addit  
Related Links  
Observer forms  
Newsletter  
Jokulhlaups  
More...

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Staff

## APRFC River Observation Database

Stages at ERBA2 from 2005-05-13 11:00:00 - 2008-10-08 13:00:00



malfunctions or physical changes at the observing location. This is a preliminary set of stations, more data will be entered at later dates. Missing data is listed as -9999.

Contact us if the site you need is not available in the site list. [Request Site](#)

# Historic NWS Data Table

Rivers & Hydrology  
River conditions  
Forecasts & Info  
Quick Briefing  
48hr Flood Pot  
5-Day Flood  
Outlook  
Nat'l AHPS page

Precip & Weather  
Observed Precip  
Precip Analysis  
Forecast Precip  
AK Snow Maps  
Nat'l Snow Info  
Wx Forecasts  
Observations  
Radar  
Satellite  
Data in Google  
Maps

Breakup & Ice  
Quick Briefing  
Flood Potential  
Breakup Map  
Ice Maps  
Freezing DD  
More...

Climate & History  
River Database  
Drought Info

Predictions  
Diagnostics

Additional Info  
Related Links  
Observer forms  
Newsletter  
Jokulhlaups  
More...

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## Database Search Results

Site LID =ERBA2  
Start Year =2005  
End Year =2008  
Start Month =01  
End Month =12

Number of records found: 14535

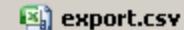
LID	Date(UTC)=AST+9	Stage(ft)	Flow(cfs)	Precip(in)	Acc Precip(in)	Current T(F)	Min T(F)	Max T(F)
ERBA2	2005-05-13 11:00:00	3.37	380					
ERBA2	2005-05-13 12:00:00	3.36	375					
ERBA2	2005-05-13 13:00:00	3.37	380					
ERBA2	2005-05-13 14:00:00	3.37	380					
ERBA2	2005-05-13 15:00:00	3.36	375					
ERBA2	2005-05-13 16:00:00	3.37	380					
ERBA2	2005-05-13 17:00:00	3.36	375					
ERBA2	2005-05-13 18:00:00	3.36	375					
ERBA2	2005-05-13 19:00:00	3.38	384					
ERBA2	2005-05-13 20:00:00	3.38	384					
ERBA2	2005-05-13 21:00:00	3.36	375					
ERBA2	2005-05-13 22:00:00	3.35	370					
ERBA2	2005-05-13 23:00:00	3.34	366					
ERBA2	2005-05-14 00:00:00	3.34	366					
ERBA2	2005-05-14 01:00:00	3.33	361					
ERBA2	2005-05-14 02:00:00	3.32	357					
ERBA2	2005-05-14 03:00:00	3.32	357					
ERBA2	2005-05-14 04:00:00	3.44	412					
ERBA2	2005-05-14 05:00:00	3.45	417					
ERBA2	2005-05-14 06:00:00	3.46	421					
ERBA2	2005-05-14 07:00:00	3.47	426					
ERBA2	2005-05-14 08:00:00	3.46	421					

The archived data provided here (including stage, flow, precipitation, and temperature) has not been fully quality controlled and are considered preliminary data. They may include changes in equipment, malfunctions or physical changes at the observing location. This is a preliminary dataset and more data will be entered at later dates. Missing data is listed as -99.

Contact us if the site you need is not available in the site list. [Request Site](#)

## Opening export.csv

You have chosen to open



which is a: Microsoft Office Excel Comma Separated Values File  
from: http://aprfc.arh.noaa.gov

What should Firefox do with this file?

Open with:

Microsoft Office Excel (default)

Save File

Do this automatically for files like this from now on.

OK

Cancel

NUMBER OF TEMP DDS available=0

Start

Get HTML Table

Create Excel(CSV) file



# USGS WaterAlert Service

- USGS recently initiated WaterAlert service
- <http://water.usgs.gov/wateralert/>
- Users select the preferred delivery method (email or text), whether they want hourly or daily notifications, which data parameter they are interested in, and the threshold for those parameters



# iNWS Mobile Services

- iNWS is an experimental service that is initially intended for NWS core partners, including emergency managers, community leaders and other government agencies only
- <http://inws.wrh.noaa.gov/>

## iNWS MOBILE HYDROLOGY

Now view National Weather Service river forecasts and hydrographs anywhere on a mobile device

980x214



# Questions and Discussion

Please direct questions, comments, requests to...

Larry Rundquist

[larry.rundquist@noaa.gov](mailto:larry.rundquist@noaa.gov)

907-266-5152

Main APRFC web site...

<http://aprfc.arh.noaa.gov/>